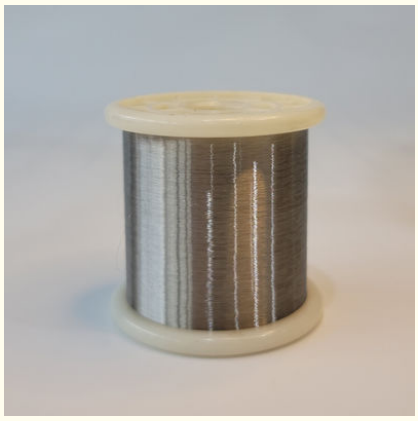
Corrosion Resistant Copper Nickel Alloy For Industrial Applications

Our Product Introduction

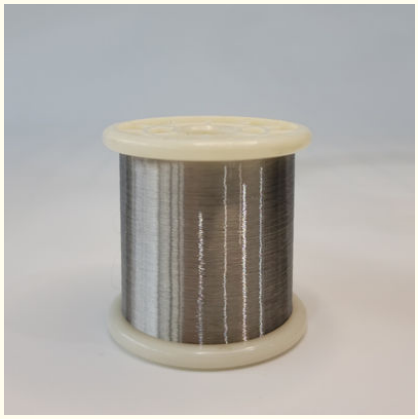
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS
- Model Number: CuNi Alloy
- Minimum Order Quantity: 2kg
- Packaging Details: Spool package with Carton box, Coil package with polybag for pure nickel wire 0.025mm
- Delivery Time: 5-21 days
- Payment Terms: L/C, D/A, D/P, Western Union
- Supply Ability: 300 tons per month

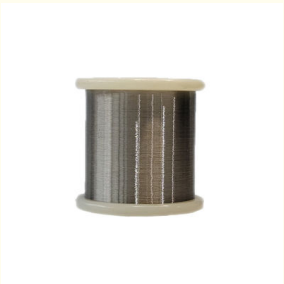


Product Specification

- Application: Heating, Resistivity
- Corrosion Resistance: Excellent
- Maximum Temperature: 220°C
- Hardness: 80-150 HV
- Machinability: Fair
- Technology: Rolling And Drawing
- Condition: Hard / Soft
- Yield Strength: 140-450 MPa
- Density: 8.94 G/cm3
- Weldability: Good
- Melting Point: 1170-1240°C
- Tensile Strength: 380-620 MPa
- Shape: Custom
- Diameter: 0.1~10mm
- Applications: Marine, Chemical, And Electrical Industries



More Images



Our Product Introduction

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Product Description

Product Description:

One of the most significant attributes of the CuNi Alloy is its excellent corrosion resistance. It can withstand harsh environments and corrosive substances, making it an ideal material for marine applications, heat exchangers, and desalination plants. Additionally, it has a bright surface finish that can be easily maintained, making it a practical choice for decorative purposes.
Another important attribute of the CuNi Alloy is its EMF vs Cu of -18 µV/°C. This means that it has a low thermoelectric voltage, making it less susceptible to galvanic corrosion when in contact with copper. This attribute is particularly useful in applications where the alloy comes in contact with copper, such as in copper alloy tubes.
The CuNi Alloy has a density of 8.94 g/cm3, which is relatively high compared to other alloys. This high density makes it a durable and sturdy material, suitable for applications that require strength and resilience.
In conclusion, the CuNi Alloy is a versatile and reliable material that offers excellent corrosion resistance, durability, and a bright surface finish. Its composition of copper and nickel makes it an ideal choice for various industrial applications, including marine, heat exchangers, desalination plants, and copper alloy tubes. If you're looking for a dependable alloy steel metal, the CuNi Alloy is an excellent choice.

Features:

Product Name: CuNi Alloy
Resistivity: 0.5
Density: 8.94 G/cm3
Composition: Copper And Nickel
Maximum Temperature: 200°C
Emf Vs Cu: -18 UV/C
Alloy Steel Material
Alloy Steel Metal
Copper Based Alloys

Technical Parameters:

Diameter	0.1~10mm
Application	Industry
Resistivity	0.5
Composition	Copper and Nickel
Emf Vs Cu	-18 UV/C
Hardness	80-120 HV
Tensile Strength	400-600 MPa
Purity	High Purity
Maximum Temperature	200°C
Surface	Bright

Applications:

One of the most common uses for CuNi Alloy is in the production of Copper Powder Metallurgy. This process involves the mixing of copper powder with a small amount of CuNi Alloy, which enhances the strength and durability of the final product. This technique is often used in the production of electrical components, such as connectors and switches, where a high level of conductivity and reliability is required.
The Victory CuNi Alloy is also ideal for use in the manufacture of Alloy Steel Metal. This process involves adding small amounts of CuNi Alloy to steel to improve its strength and corrosion resistance. This technique is often used in the automotive and construction industries, where the strength and durability of materials are crucial.
Another common use of CuNi Alloy is in the production of valves, pumps, and other components for the oil and gas industry. The high corrosion resistance and durability of this alloy make it an ideal choice for use in harsh environments, such as deep-sea drilling rigs and offshore platforms.
Overall, Victory CuNi Alloy is a versatile and reliable product that is used in a wide range of applications, from electrical components to heavy-duty machinery. Its excellent strength, corrosion resistance, and durability make it an ideal choice for use in demanding environments and applications.

Customization:

Customize your CuNi Alloy product from Victory, a trusted brand in aluminium copper alloy. Our CuNi Alloy, also known as copper-nickel alloy, is a copper-based alloy that offers excellent resistance to corrosion and high temperatures. Originating from China, our CuNi Alloy has a resistivity of 0.5 and an EMF vs Cu of -18 UV/C. You can choose between hard or soft condition, with a hardness range of 80-120 HV. The density of our CuNi Alloy is 8.94 G/cm3.

Support and Services:

Our CuNi alloy product technical support and services include:
Expert guidance on product selection and application
Assistance with technical and performance specifications
Recommendations for maintenance and care
Training and education on product use and best practices
Technical troubleshooting and problem-solving
Access to product documentation, including data sheets and material safety data sheets
Product customization and tailored solutions
Product testing and analysis
Quality control and assurance

Packing and Shipping:

Product Packaging:
The CuNi Alloy product will be securely packaged in a cardboard box.
The box will be filled with cushioning material to prevent any damage during shipping.
The product will be sealed in a plastic bag to protect it from moisture.
A label with the product information and handling instructions will be attached to the box.
Shipping Information:
The CuNi Alloy product will be shipped via a reputable courier service.
The shipping cost will be calculated based on the weight and destination of the package.
The estimated delivery time will depend on the courier service and destination.
A tracking number will be provided once the package is shipped.

FAQ:

Here are some frequently asked questions and answers about the Victory CuNi Alloy:
Q: What is CuNi Alloy?
A: CuNi Alloy is a copper-nickel alloy that is commonly used for its resistance to corrosion and high thermal conductivity.
Q: What is the brand name of this product?
A: The brand name of this product is Victory.
Q: What is the model number of this product?
A: The model number of this product is CuNi Alloy.
Q: Where is this product made?
A: This product is made in China.
Q: What are the common applications of CuNi Alloy?
A: CuNi Alloy is commonly used in marine and offshore applications, power generation, chemical processing, and various other industries where corrosion resistance and high thermal conductivity are important.

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